

SHARING RUNTIME REPRESENTATION OF SOFTWARE COMPONENT METHODS ACROSS COMPONENT LOADERS

ABSTRACT OF THE DISCLOSURE

A computer implemented process for making a bytecode of a method sharable by a first class loader and a second class loader is provided. The first class loader and the second class loader are capable of dynamically loading a class having a class file, and translating the class file into first and second class types, respectively. The process includes dividing a runtime representation of the first class type into first loader independent and first loader dependent parts and determining whether a runtime representation of the second class type can use the first loader independent part. If the first loader independent part can be used by the runtime representation of the second class type, the process includes generating a second loader dependent part using the first loader independent part. Further included is performing a loader re-entrant interpretation of a bytecode of the method if the method is invoked.